IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ruth E. ROSENHOLTZ et al.

Application No.: 09/682,232

Filed: August 8, 2001   Docket No.: 110338

For: METHODS AND SYSTEMS FOR GENERATING ENHANCED
        THUMBNAILS USABLE FOR DOCUMENT NAVIGATION

INFORMATION DISCLOSURE STATEMENT

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

☒   1.   This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.

☒   2.   The Examiner's attention is directed to co-pending U.S. Patent Application Nos. 09/682,231; 09/682,230; and 09/682,229 all filed August 8, 2001, which are directed to related technical subject matter. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination of the present application.

☒   3.   The inventors became aware of item 12 under the "Other Document" section of the Form 1449 on October 10, 2001. It appears that the paper was submitted to the Symposium on Computer Human Interfaces ("CHI") in 1998 but was never officially published by CHI. The paper appears to have been posted on the Internet on March 1, 1999.
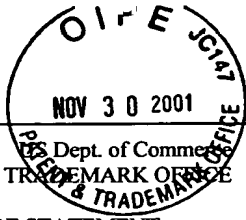
Respectfully submitted,

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Form PTO-1449 (REV. 8-83)	ATTY DOCKET NO. 110338	APPLICATION NO. 09/682,232

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APPLICANT(S) Ruth E. ROSENHOLTZ et al.
FILING DATE August 8, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	13)	Erick, S. G., Steffen, J.L., and Sumner, E.E. "Seesoft -- A Tool For Visualizing Line Oriented Software Statics," *IEEE Transactions On Software Engineering* Vol. 18, No. 11, November 1992
	14)	Ogden, W.C., Davis, M.W., and Rice, S. *Document thumbnail visualizations for rapid relevance judgments: When do they pay off?* TREC 1998, pp. 528-34.
	15)	U.S. Patent Application No. 09/682,231, filed August 8, 2001.
	16)	U.S. Patent Application No. 09/682,230, filed August 8, 2001.
	17)	U.S. Patent Application No. 09/682,229, filed August 8, 2001.

EXAMINER	DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| ATTY DOCKET NO. 110338 | | APPLICATION NO. 09/682,232 |

| APPLICANT(S) Ruth E. ROSENHOLT et al. |

| FILING DATE August 8, 2001 |

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,740,285	04/1998	Bloomberg et al.		
		5,526,443	06/1996	Nakayama		
		5,384,863	01/1995	Huttenlocher, et al.		
		5,060,135	10/1991	Levine et al.		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	1)	Ayers, E. and Stasko, J. "Using Graphic History in Browsing the World Wide Web", *Proc. 4th Intl. WWW Conf.*, Boston, December 1995.
	2)	Hightower, R., Ring, L., Helfman, J., Bederson, B., and Hollan, J. "Graphical Multiscale Web Histories: A Study Of BadPrints, *Proc. Hypertext '98*, 1998, pp. 58-65.
	3)	Kopetzky, T. and Mühlhäuser, M. "Visiual Preview for Link Traversal on the WWW," *Proc. 8th Intl. WWW Conference*, Toronto, Canada, May 1999, pp. 447-454.
	4)	Cockburn, A., et al. "WebView: A Graphical Aid for Revisiting Web Pages," *Proc. OZCHI '99 Australian Conf. On HCI*, Wagga Wagga, Australia, Nov. 1999.
	5)	Wynblatt, M. and Benson, D. "Web Page Caricatures: Multimedia Summaries for WWW Documents," *Proc. IEEE Intl. Conf. On Multimedia Computing and Systems*, Austin, TX, June, 1998, pp. 194-199.
	6)	Olston, C. and Chi, E. "Scent Trails: Integrating Browsing and Searching on the World Wide Web," *Submitted to SIGCHI 2001.*
	7)	Card, S. K., Mackinlay, J.D., and Shneiderman, B. "Information Visualization: Using Vision to Think," Morgan-Kaufmann, San Francisco, 1998, pp. 306-309, 311, 331-332, 341-342, 381.
	8)	Hearst, M., "Title Bars: Visualization of Term Distribution Information in Full Text Information Access," *Proceedings Of CHI '95, ACM Conference on Human Factors in Computing Systems*, pp. 59-66.
	9)	Helfman, J.I. "Mandala: An Architecture for Using Images to Access and Organize Web Information," *Proceedings of Visual '99, Visual Information and Information Systems, Third International Conference*, 1999, pp. 163-170.
	10)	Boguraev, B., Kennedy, C. Bellamy, R., Brawer, S. Wong, Y.Y., Swartz, J. "Dynamic Presentation of Document Content For Rapid On-Line Skimming," *AAAI Spring 1998 Symposium on Intelligent Text Summarization*, Stanford U, 1998.
	11)	Graham, J. "The Reader's Helper," *Proceeding of the CHI 99 Conference on Human Factors in Computing Systems: The CHI is the limit*, May 1999.
	12)	Chiou, T. et al. "Perceptual Thumbnail", http://www.media.mit.edu/~dc/research/thumbnail/chi98.htm/, March 1999.

EXAMINER	DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.